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# Operations Report

Andy Hocker

19-JUN-2003

CDF Weekly Meeting



# Store summary

Date	Inst Lum (initial)	Int Lum (live)	$\epsilon$	Comments
Th 6/2	28.6e30	430.5	85.5%	Online DB crash at flatop, quench
Sa 6/3	31.4e30	683.0	71.6%	Bad (plug HV), so lots of tests
Su 6/4	34.4e30	716.6	73.6%	Lost cable TV, clock
Su 6/5	29.5e30	761.1	82.3%	SVTD, TDCs, Isolist...
Mo 6/16	27.4e30	789.9	88.7%	OK, some L2 problems
Tu 6/17	31.5e30	837.9	77.7%	OK, 2-SRC tests
We 6/18	29.8e30	421.6	90.9%	OK, store aborted (AQ7 trip)
Th 6/19	23.0e30			Just went in

Weekend was a struggle, everything fixed Monday morning



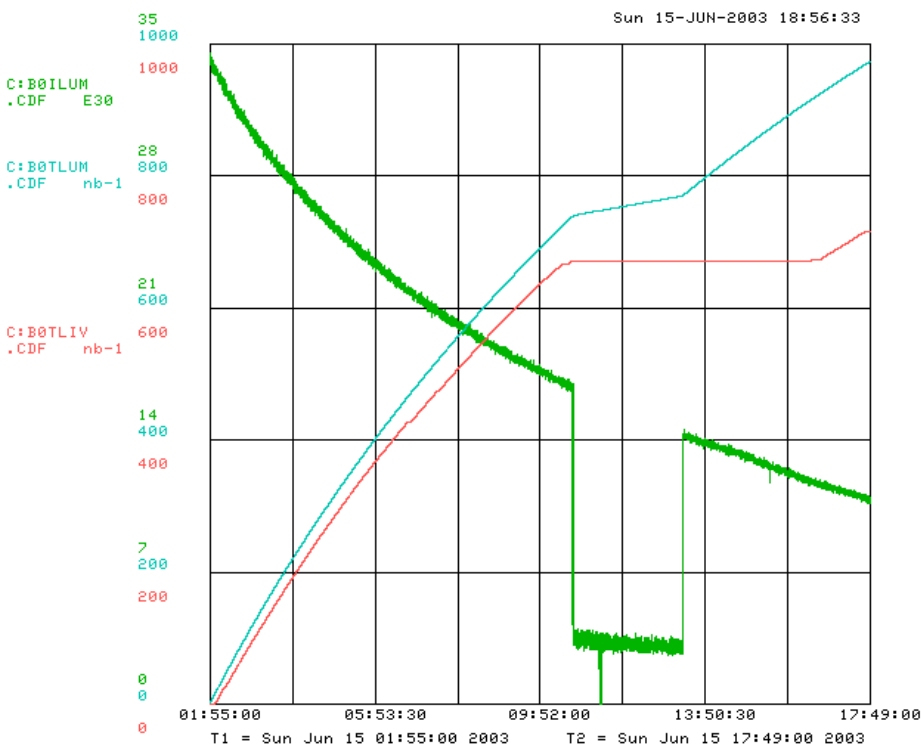
# The weekend

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- Power glitch on Friday
  - 30-year-old high rise feeder cable died
- Fix up the fallout
  - TOF ADMEM fuse, WHA Pisabox (bad PMT base), silicon...
- Several hours after access, plug HV crate failed
  - Had to live with it for the next store
- Fixed on next access
  - Faulty AC plug, probably injured during WHA work
- Other unrelated problems:
  - SVTD bank not being written, Isolist failure



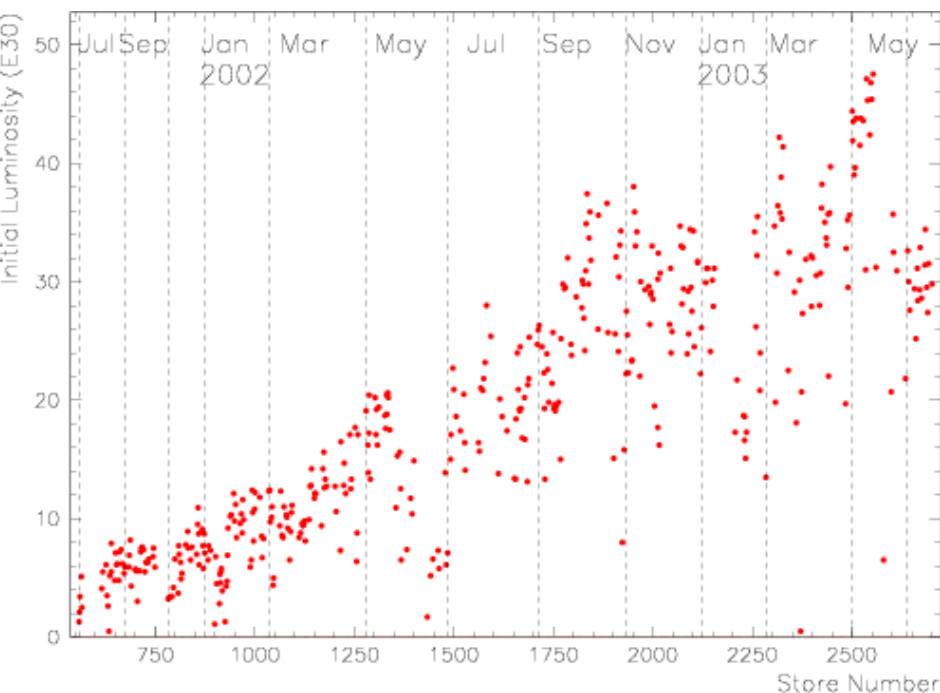
# A Sunday without cable TV



- CDF\_CLOCK depends on cable TV for the B0 marker
- Cable TV amp card died (fallout from Friday power glitch)
- Without the clock, all hell breaks loose at CDF
- We have all the equipment to bypass cable TV and feed the clock with a fiber optic link (like D0)
  - Need lab to run a conduit to the B0 service building
  - Have been getting the runaround for some time
  - Time to press the issue



# 32 days since 4e31



- Lately the problem has been bad lifetimes at 150 GeV and large losses up the ramp
- Need  $6.5 \text{ pb}^{-1}$  per week to reach FY03 goal before August 25 shutdown
  - $2.4 \text{ pb}^{-1}$  so far this week
- We've been doing lots of tests over the past month to prepare for efficient running when high luminosities return

A picture of Mike to fill up blank space →





# Conclusion/Plans

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- Continue with attempts to make a 2-SRC silicon DAQ work
  - TDCs currently unhappy with it
- More stack-and-store, more data-taking
- Whip the new aces into shape